

Converting Colors

$Y_{xy}(70.7036, 0.3365, 0.5499)$

Have a look what the booklet for
Yxy(70.7036, 0.3365, 0.5499)
contains.

Yxy(70.7036, 0.3365, 0.5499)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.7036, 0.3365, 0.5499)

Conversions

Conversions Part 1

Format	Color
Hex	87F534
RGB	135, 245, 52
RGB Percent	53%, 96%, 20%
CMY	0.4705, 0.0392, 0.7964
CMYK	0.45, 0.00, 0.79, 0.04
HSL	94°, 91%, 58%
HSV	94°, 79%, 96%
XYZ	43.2656, 70.7036, 14.6062
YIQ	190.1080, -3.6070, -83.3430

Conversions

Conversions Part 2

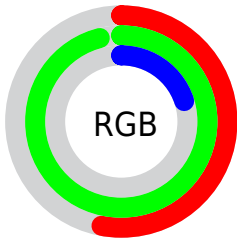
Format	Color
RYB	52, 245, 162
Decimal	8910132
CIELab	87.34, -60.81, 75.79
CIELCh	87, 97.171, 128.740
Yxy	70.7036, 0.3365, 0.5499
Android (android.graphics.Color)	4287100212 (0xFF87F534)
YUV	190.1080, -68.0872, -48.3297
Hunter-Lab	84.0854, -55.3035, 48.5608

Details

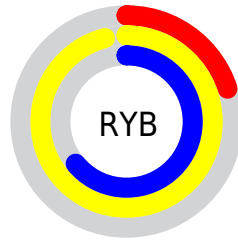
The Yxy color **70.7036, 0.3365, 0.5499** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **16.7137, 0.2375, 0.1218**, and the grayscale version is **51.9603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4707, 0.3518, 0.4827**, and **37.3060, 0.3216, 0.5829** is the 20% darker color. If you saturate the color by 10%, you get **69.4575, 0.3326, 0.5669**, and if you desaturate by 10%, it is **72.2219, 0.3384, 0.5272**.

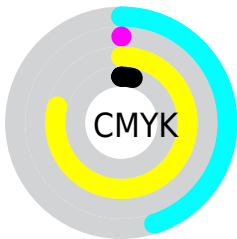
Distribution



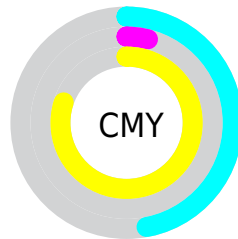
- Red (53%)
- Green (96%)
- Blue (20%)



- Red (20%)
- Yellow (96%)
- Blue (64%)



- Cyan (45%)
- Magenta (0%)
- Yellow (79%)
- Black (4%)





- Cyan (47%)
- Magenta (4%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7036, 0.3365, 0.5499 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 70.7036, 0.3365, 0.5499 by changing the saturation by 10% instead.


 70.7036, 0.3365,
0.5499


 70.7036, 0.3365,
0.5499


463.0166, 0.3351,
0.4426


 52.1003, 0.3336,
0.5739

 120.2116, 0.3385,
0.5127


 37.0851, 0.3283,
0.6025


 151.8851, 0.3385,
0.4981


 25.2734, 0.3188,
0.6366


 188.6842, 0.3382,
0.4856

 16.2808, 0.3033,
0.6796

 230.9932, 0.3377,
0.4747

 9.7231, 0.2744,
0.7256

 279.1966, 0.3371,
0.4651

 5.2158, 0.2258,
0.7742

333.6787, 0.3365,

 2.3744, 0.1253,

0.4567

0.8747

394.8239, 0.3358,
0.4493

0.8127, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.7036, 0.3365,
0.5499

70.7036, 0.3365,
0.5499

69.4575, 0.3326,
0.5669

72.2219, 0.3384,
0.5272


68.4456, 0.3271,
0.5779


74.0244, 0.3383,
0.5000


68.3367, 0.3265,
0.5790


76.1325, 0.3364,
0.4700


78.5627, 0.3329,
0.4389

 81.3303, 0.3284,
0.4081

 84.4493, 0.3232,
0.3786

 87.9329, 0.3177,
0.3512

 91.7935, 0.3120,
0.3261

 93.7863, 0.3132,
0.3194

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7036, 0.4370, 0.5087



70.7036, 0.3365, 0.5499



70.7036, 0.2353, 0.4895

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.7036, 0.3365, 0.5499



70.7036, 0.1355, 0.1825



70.7036, 0.4813, 0.2819

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.7036, 0.3365, 0.5499



16.7137, 0.2375, 0.1218

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.7036, 0.3658, 0.2209



70.7036, 0.3365, 0.5499



70.7036, 0.1742, 0.1662

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.7036, 0.3365, 0.5499



70.7036, 0.1302, 0.2398



70.7036, 0.2515, 0.1802



70.7036, 0.5373, 0.3528

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.7036, 0.3365, 0.5499



70.7036, 0.1814, 0.3993



70.7036, 0.2515, 0.1802



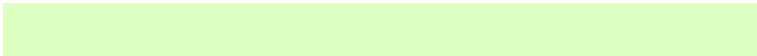
70.7036, 0.4466, 0.2600

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70.7066, 0.3365, 0.5499



90.6436, 0.3260, 0.3939



45.2679, 0.4836, 0.4285



19.1465, 0.3279, 0.4045



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.7066, 0.3365, 0.5499



75.3312, 0.3292, 0.5744



66.4138, 0.2983, 0.5658



18.8207, 0.3181, 0.3530



36.8916, 0.3276, 0.5781



3.3018, 0.3373, 0.5703

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.7137, 0.2375, 0.1218



14.0557, 0.2197, 0.0999



27.6962, 0.3339, 0.1730



16.3926, 0.3069, 0.3052



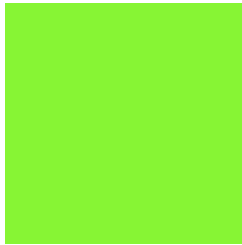
6.6177, 0.2165, 0.0966



0.6422, 0.2291, 0.1036

Previews

White Background



This preview shows how the Yxy color 70.7036, 0.3365, 0.5499 looks on a white background.

Color Contrast Check

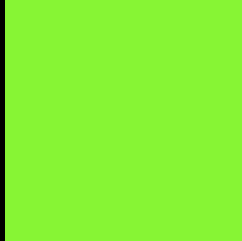
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 70.7036, 0.3365, 0.5499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

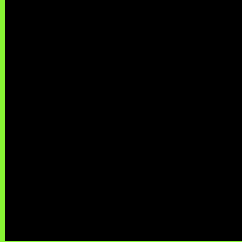
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

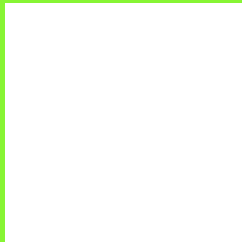
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7036, 0.3365, 0.5499

Background



This preview shows how black text looks on a background with the Yxy color 70.7036, 0.3365, 0.5499.

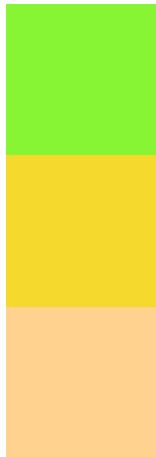


This preview shows how white text looks on a background with the Yxy color 70.7036, 0.3365, 0.5499.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.7036, 0.3365, 0.5499

Protanopia

69.7447, 0.4342, 0.4791

Deuteranopia

69.3364, 0.3973, 0.3978



Tritanopia

70.0947, 0.2621, 0.3070

Trichromacy



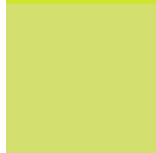
Original Color

70.7036, 0.3365, 0.5499



Protanomaly

68.6793, 0.3949, 0.5074



Deuteranomaly

67.7500, 0.3771, 0.4556



Tritanomaly

68.7525, 0.2950, 0.4024

Monochromacy



Original Color

70.7036, 0.3365, 0.5499



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.5327, 0.3303, 0.4210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7036, 0.3365, 0.5499 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(135, 245, 52)` looks like.

```
.text, #text, p{  
    color:rgb(135, 245, 52)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(135, 245, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 245, 52) }
```

Border

The CSS property to change the border of an element to Yxy 70.7036, 0.3365, 0.5499 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 245, 52) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(135, 245, 52) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(135, 245, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 245, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 245, 52);  
box-shadow:4px 4px 4px 4px rgb(135, 245,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7036, 0.3365, 0.5499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 245, 52) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(135,  
245, 52) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor